



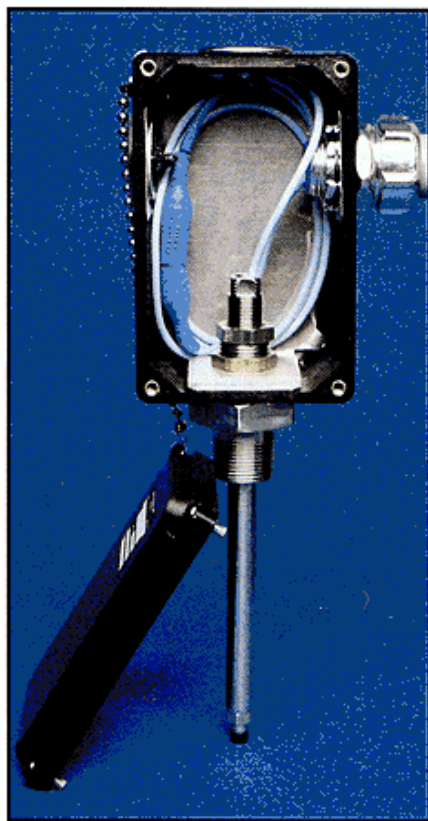
New Product

31000 & 32000 Proximity Probe Housings offer advanced design

Available
August
1992

Eddy-current proximity transducers are the sensors of choice for measuring shaft radial vibration and position on machines with journal bearings. When mounting these proximity transducers, a preferred method is the use of an externally-mounted housing on the machine case with an adjustable sleeve extending near the shaft surface. This proven mounting method for XY proximity probes can now be used with two new proximity probe housings. These have many advantages over conventional housings:

- Model 31000 has English threads, Model 32000 has metric threads.
- Polyphenylene sulfide (PPS) housing material is an advanced, high-strength, thermoplastic that is ideal for corrosive areas.
- Two-piece design allows easy removal of the housing from the sleeve and provides quick access for probe sleeve adjustment or removal.
- Rectangular housing can be mounted vertically or horizontally on the sleeve for tight installations.
- Housing design has additional space for probe cable storage.
- 3300 and 7200 Proximity Probes are available with the assembly.
- Conduit fitting and cable grip options are available.
- Housing assembly will meet NEMA 4X and IP65 standards when our certification is completed by the approval agencies.
- Full compliance with API 670 specifications.



Applications

Using a proximity probe housing for mounting probes provides external accessibility to the probe. This external mounting method offers great flexibility because probe adjustment and removal is possible **without opening the machine case**. If a probe needs to be checked or replaced, simply remove the adjustable sleeve from the machine case. Then remove the probe from the sleeve (stinger). This method differs from

internally-mounted proximity probes on brackets that usually must remain inside the machine until maintenance time can be scheduled.

It is occasionally necessary to adjust the gap of proximity probes. Probes mounted in a proximity probe housing can be electrically gapped using a voltmeter from outside the machine. This is accomplished by adjusting the probe housing sleeve and checking the voltage output from the probe's Proximitor®. When the display reaches the correct gap voltage, tighten the sleeve's lock nut to secure the sleeve in place. If necessary, this procedure may be performed even while the machine is in operation.

More reliable measurements

The probe housing sleeve mounts on the bearing housing and protects the probe's cable from exposure to the machine environment. In addition, it holds the compact thermoplastic housing containing the probe connector. This rugged housing is dust and water-resistant and is available with conduit hubs for attaching flexible conduit.

Complete probe, cable and connector protection makes the transducer system more reliable.

The proximity probe housing assembly is ideal for installations where space restrictions and corrosion have been a problem. Its advanced design makes this transducer accessory an excellent value. For more information, check the appropriate box on the reader service card or contact your nearest Bently Nevada representative. ■